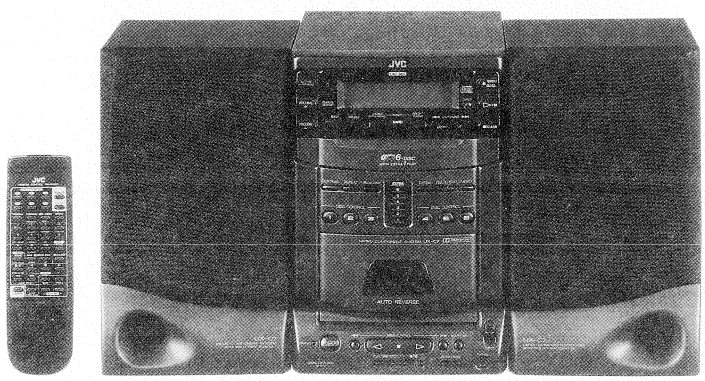
JVC

MICRO COMPONENT SYSTEM

UX-C7 B/E/G/GI/EN



COMPACT disc DIGITAL AUDIO

Area Suffix	
B	U.K.
E	Continental Europe
G	Germany
GI	Italy
EN	North Europe

No. 1898
May 1994

1. Safety Precautions

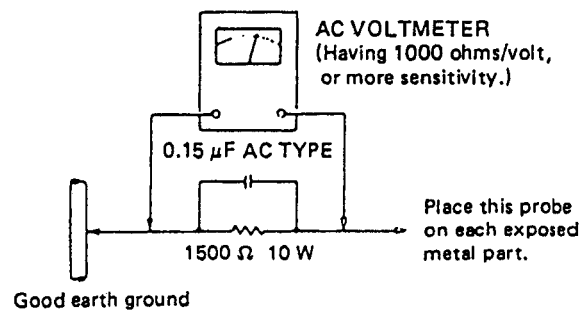
1. The design this product contains special hardware and many circuits and components specially for safety purposes. For continued protection, no changes should be made to the original design unless authorized in writing by the manufacturer. Replacement parts must be identical to those used in the original circuits. Service should be performed by qualified personnel only.
2. Alterations of the design or circuitry of the product should not be made. Any design alterations of the product should not be made. Any design alterations or additions will void the manufacture's warranty and will further relieve the manufacture of responsibility for personal injury or property damage resulting therefrom.
3. Many electrical and mechanical parts in the product have special safety — related characteristics. These characteristics are often not evident from visual inspection nor can the protection afforded by them necessarily be obtained by using replacement components rated for higher voltage, wattage, etc. Replacement parts which have these special safety characteristics are identified in the parts list of service manual. Electrical components having such features are identified by (⚠)on the schematic diagram and parts list in the service manual. The use of a substitute replacement which does not have the same safety characteristics as the recommended replacement part shown in the parts list of service manual may create shock, fire, or other hazards.
4. The leads in the products are routed and dressed with ties, clamps , tubings, barriers and the like to be separated from live parts, high temperature parts, mpving parts and or sharp edges for the prevention of electric shock and fire hazard. When service is required, the original lead routing and dress should be observed, and it should be confirmed that they have been returned to normal, after reassembling.
5. Leakage current check (Electrical shock hazard testing)

   After re — assembling the product, always perform an isolation check on the exposed metal parts of the product (antenna terminals, knobs, metal cabinet, screw heads, headphone jack, control shafts, etc.) to be sure the product is safe to operate without danger of electrical shock. Do not use a line isolation transformer during this check.

   • Plug the AC line cord directly into the AC outlet. using a"Leakage current tester", measure the leakage current from each exposed metal part of the cabinet, particulary any exposed metal part having a return path to the chassis, to a known good earth ground. Any leakage current must not exposeed 0.5mA AC(r.m.s.)

   • Alternate check method

   Plug the AC line cord directly into the AC outlet. Use an AC voltmeter having 1,000 ohms per volt or more sensitivity in the following manner. Connect a 1,500 ohms 10W resistor paralleled by a 0.15 μ F AC type capacitor between an exposed metal part and a known good earth ground. Measure the AC voltage across the resistor with the AC voltmeter. Move the resistor connection to each exposed metal part, particularly any exposed metal part having a return path to the chassis, and measure the AC voltage across the resistor. Now, reverse the plug in the AC outlet and repeat each measurement. Any voltage measured must not exceed 0.75V AC(r.m.s.).This corresponds to 0.5mA



Warning

1. This equipment has been designed and manufactured to meet international safety standards.
2. It is the legal responsibility of the repairer to ensure that these safety standards are maintaintaind.
3. Repairs must be made in accordance with the relevant safety standards.
4. It is essential that safety critical components are replaced by approved parts.
5. If mains voltage selector is provided, check setting for local voltage.

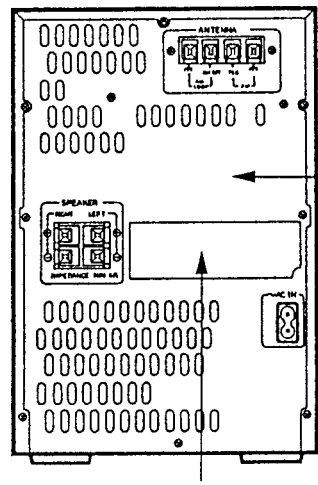
2. Safety Precautions about UX – C7

IMPORTANT FOR LASER PRODUCTS

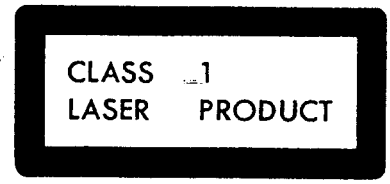
PRECAUTIONS

1. CLASS 1 LASER PRODUCT
2. **DANGER:** Invisible laser radiation when open and interlock failed or defeated. Avoid direct exposure to beam.
3. **CAUTION:** Do not open the rear cover. There are no user serviceable parts inside the unit; leave all servicing to qualified service personnel.
4. **CAUTION:** The compact disc player uses invisible laser radiation and is equipped with safety switches which prevent the emission of radiation when the CD holder is open. It is dangerous to defeat the safety switches.
5. **CAUTION:** Use of controls for adjustments and the performance of procedures other than those specified herein may result in exposure to hazardous radiation.
6. **CAUTION:** The laser is able to function, if safety switches out of function. The laser light is invisible, avoid exposure, do not disassemble the laser unit, but replace the complete unit.

IDENTIFICATION LABEL AND CERTIFICATION LABEL



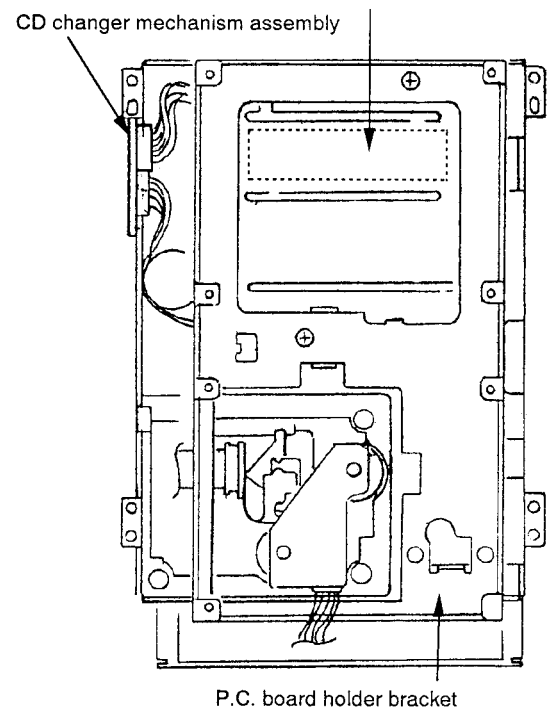
NAME/RATING PLATE



Obs:
Apparaten innehåller laser
Komponent av höger laserklass
än klass 1.

REPRODUCTION OF LABELS AND THEIR LOCATION

DANGER: Invisible laser radiation when open and interlock failed or defeated. AVOID DIRECT EXPOSURE TO BEAM. (e)	ADVARSEL: Usynlig laserstråling ved åbning, når sikkerhedsafbrydere er ude af funktion. Undgå udsættelse for stråling. (d)	VARNING: Osynlig laserstrålning när denna del är öppnad och spärren är urkopplad. Betrakta ej strålen. (s)	VARO: Avattaessa ja suojalukitus ohitettaessa olet alttiina näkymättömälle lasersäteilyile. Älä katso säteeseen. (f)



IMPORTANT (In the United Kingdom)

Mains Supply (AC 240 V~, 50 Hz only)

DO NOT cut off the mains plug from this equipment. If the plug fitted is not suitable for the power points in your home or the cable is too short to reach a power point, then obtain an appropriate safety approved extension lead or consult your dealer.

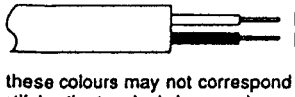
BE SURE to replace the fuse only with an identical approved type, as originally fitted, and to replace the fuse cover.

If nonetheless the mains plug is cut off ensure to remove the fuse and dispose of the plug immediately, to avoid a possible shock hazard by inadvertent connection to the mains supply.

IMPORTANT

DO NOT make any connection to the terminal which is marked with the letter E or by the safety earth symbol or coloured green or green-and-yellow.

The wires in the mains lead on this product are coloured in accordance with the following code:



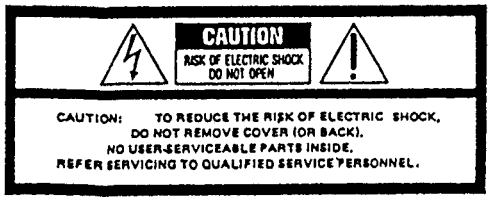
Blue to N (Neutral) or Black
Brown to L (Live) or Red

As these colours may not correspond with the coloured markings identifying the terminals in your plug proceed as follows:

The wire which is coloured blue must be connected to the terminal which is marked with the letter N or coloured black.

The wire which is coloured brown must be connected to the terminal which is marked with the letter L or coloured red.

IF IN DOUBT – CONSULT A COMPETENT ELECTRICIAN.


CAUTION
RISK OF ELECTRIC SHOCK
DO NOT OPEN
CAUTION: TO REDUCE THE RISK OF ELECTRIC SHOCK,
DO NOT REMOVE COVER (OR BACK).
NO USER-SERVICEABLE PARTS INSIDE.
REFER SERVICING TO QUALIFIED SERVICE PERSONNEL.

The lightning flash with arrowhead symbol, within an equilateral triangle, is intended to alert the user to the presence of uninsulated "dangerous voltage" within the product's enclosure that may be of sufficient magnitude to constitute a risk of electric shock to persons.

The exclamation point within an equilateral triangle is intended to alert the user to the presence of important operating and maintenance (servicing) instructions in the literature accompanying the appliance.

■ Inportant management points regarding safety(Item demanding special safety precautions)

1. Power transformer marking :VTP66T4 – 24B(B version:Parts No.), VTP66J4 – 24B(E/G/GI/EN Version : Parts No.)
   The torque of the screw driver for the poewr transformor must be controlled.
2. Following parts are controlled as the heated parts. confirm that the flammable parts are lifted up the parts in .
   •Diode:D901~D905, IC: ICA35, Transistor:QA306 ,Power transformer
3. Concerning the AC socket, the next marking must be confirmed and to avoid print circuit board pattern damage.
   The AC socket must not float from print circuit board.
   •Marking ····· HSC1466
4. Concerning the primary terminal and the adjacent secondary terminal on the print circuit board toprovide proper creeping and spatial distance, solder must not protrude from soldering round.
5. Before installation confirm the fuse capacity indication, (⛉)and (Ⓢ)marks on the fuse holder.
6. Confirm following "Electromagnetic compatibility" control matter.

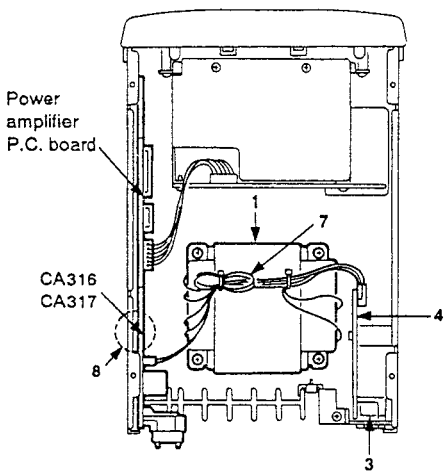
• Main P.C. board

C901~C908, CA123, CA223, RA141, RA241, LA101, LA201, LA102, LA202, RA108,RA208, CA113, CA213, CA102, CA202, LD901, LD902, LA103, LA203

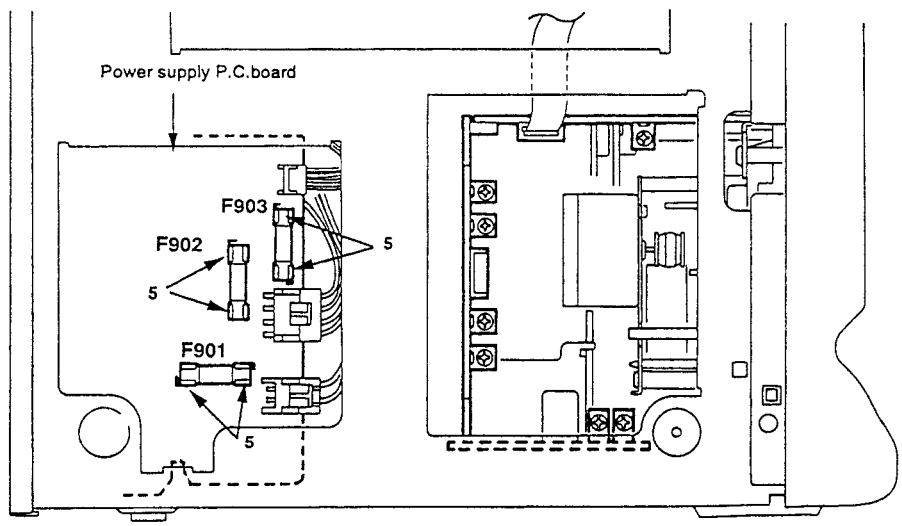
• Tuner P.C. board

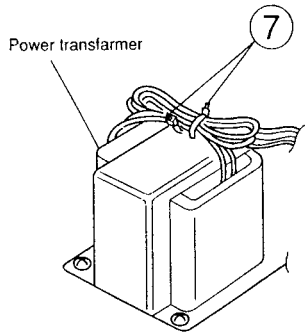
C14, C55, L16, L17, Shield case & shield(VMA4554 – 002, VMA4531 – 002, VMA4522 – 003, VMA4521 – 002, VMA4561 – 002), QWY122 – 040, BP1,Shield case & shield(VMW240 – 05NTA4,VMA4617 – 001, VMA4562 – 001)

7. Wires must be clamped or sccured at the locations shown in the figure so that the wire do not touch to live parts, moving part , hot part, or sharp edges.



Ref. No. 7 : Wires must be clamped.
(Except UX – C7G/GI)





3. Main Features

1. **Disc-size micro component system consisting of 3 units**
2. **Multi-function 6-disc changer with extra-CD to play**
   - Direct Disc Select/Skip Play/Search Play/ Continuous Play/Repeat Play/Random Play.
   - Programmed play of up to 20 tunes.
3. **One-touch operation (COMPU PLAY)**
   - When a source button (CD, tape or tuner) is pressed, the unit's power is turned ON and initiates playback, even when the power is set to STANDBY.
4. **40-key remote control unit operates all CD, cassette deck and tuner functions**
   - Remote control unit controls power ON/OFF switching, volume control, bass/treble control, Active Hyper-Bass ON/OFF switching and a variety of editing functions.
5. **Active Hyper-Bass circuit for low-frequency sound reproduction**
6. **U-Turn auto-reverse full-logic mechanism with Dolby* B NR**
   - Auto tape select mechanism.
   - Metal (type IV) and CrO_2 (type II) tape can be played back for superior tone quality.
   - CrO_2 (type II) tape recording capability.
   - Music scan** in forward or reverse direction.
7. **2-Band digital synthesizer tuner with 30-station (15 FM and 15 AM (MW/LW)) preset capability**
   - Seek/manual tuning.
   - Auto preset tuning.
8. **Timer/Clock function**
   - Timer on/off function.
   - Sleep timer can be set for up to 120 minutes.

* Dolby noise reduction manufactured under license from Dolby Laboratories Licensing Corporation. "Dolby" and the double-D symbol ⧈ are trademarks of Dolby Laboratories Licensing Corporation.

** Under license of Staar S.A. Brussels, Belgium.

4. Specifications

Compact disc player section

Type	:	Compact disc player
Signal detection	:	Non-contact optical pickup
Number of channels	:	2 channels
Frequency range	:	20 Hz – 20,000 Hz
Dynamic range	:	86 dB
Signal-to-noise ratio	:	86 dB
Total harmonic distortion	:	0.03 %
Wow & flutter	:	Less than measurable limit

Radio section

Frequency ranges	:	FM 87.5 – 108 MHz AM: (MW) 522 – 1,629kHz (LW) 144 – 288kHz
Antennas	:	Loop antenna for AM (MW/LW) External antenna terminal for FM (75 ohms)

Tape deck section

Track system	:	4-track 2-channel stereo
Motor	:	Electronic governor DC motor (capstan x 1, reel x 1)
Heads	:	Hard permalloy head for recording/playback, 2 gap ferrite head for erasure (Combination head)
Frequency response	:	50 – 15,000 Hz (with CrO_2 tape)
Wow and flutter	:	0.09 % (WRMS)
Fast wind time	:	Approx. 120 sec (C-60 cassette)

Speaker section (each unit)

Speaker (Impedance)	:	12 cm x 1 (4 Ω), 5 cm x 1 (6 Ω)
Dimensions	:	160.5(W) x 270(H) x 215(D) mm
Weight	:	Approx. 2.3 kg (5.1 lbs)

General

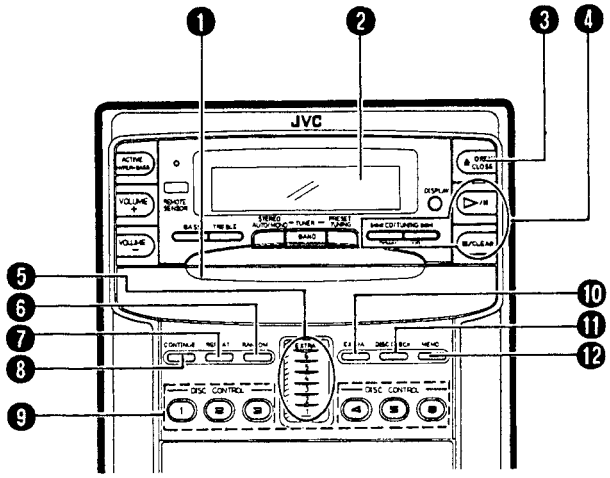
Power output	:	Max. 30 W (15 W + 15 W) at 4 Ω 20W (10W+10W) at 4 Ω (10% THD)
Output jacks	:	Speakerx 2 (matching impedance 4 Ω – 16 Ω) Headphones (0 – 15 mW/32 Ω) (matching impedance 16 Ω – 1 kΩ)
Power supply	:	AC 240 V, 50/60 Hz (UX-C7B) AC 230 V, 50/60 Hz (UX-C7GI/EN)
Power consumption	:	55 W (with POWER SW ON) 3.5 W (with POWER SW STANDBY)
Dimensions	:	501(W) x 270(H) x 280(D) mm including knobs
Weight	:	Approx. 10.4 kg
Accessories provided	:	Power cord x 1 Remote control unit (RM-RXC7 or RM-RXC7WT)* x 1 Battery "R6" x 2 (for the remote control) FM feeder antenna x 1 Loop antenna stand x 1 Antenna adapter x 1 * RM-RXC7 – Black colour RM-RXC7WT – White colour

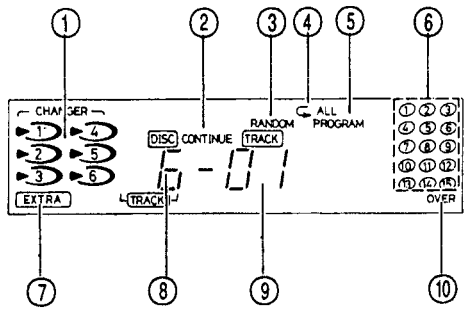
Design and specifications are subject to change without notice.

5. Instructions

NAMES OF PARTS AND THEIR FUNCTIONS

CD changer section

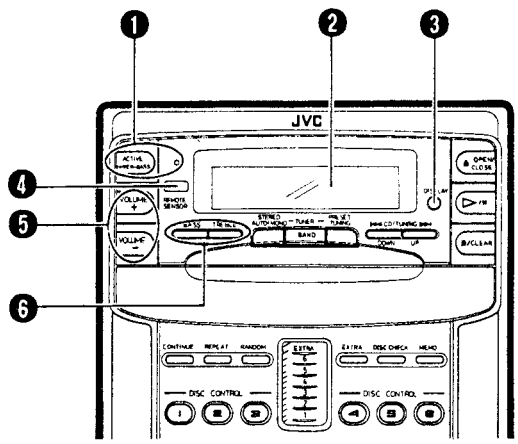


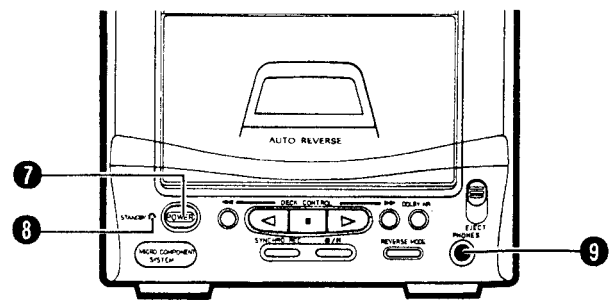


❶ CD tray
❷ Display window
① Disc mark display
② CONTINUE playback indicator
③ RANDOM playback indicator
④ Repeat playback indicator
⑤ PROGRAM mode indicator
⑥ Music calendar display
⑦ EXTRA CD mode indicator
⑧ Function/Disc number/Track number display
⑨ Track number/Playback time display
⑩ OVER indicator
❸ CD tray (⏏) OPEN/CLOSE button
❹ CD operation buttons
Play/pause button (▷/❚❚):
Press to play a disc or to stop temporarily.
Stop/CLEAR button (■):
Press to stop playing a disc or cancel programmed playback. This also sets CD mode.
CD search button (|◀◀ , ▶▶|):
Press to locate the beginning of tunes and to start forward/reverse search operations.

❺ Disc indicators
When a disc is loaded into the CD holder of the CD changer, the corresponding indicator is lit. When a disc is being operated, the indicator blinks.
❻ RANDOM playback button
❼ REPEAT playback button
❽ CONTINUE playback button
❾ DISC CONTROL buttons (No.1 to No.6)
❿ EXTRA disc button
⓫ DISC CHECK button
⓬ Memorandum (MEMO) button

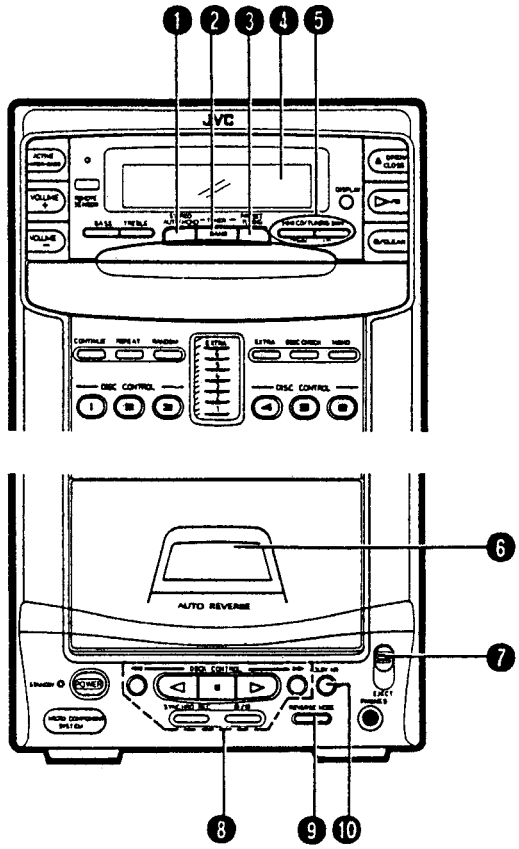
General section

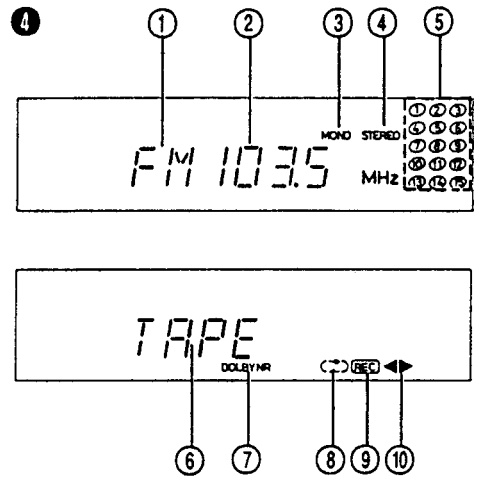




❶ ACTIVE HYPER-BASS button and indicator
❷ Display window
Volume (VOL) level indicator
BASS/TREBLE level indicator
❸ DISPLAY button
❹ REMOTE SENSOR section
❺ VOLUME buttons
+: Use to increase the volume
–: Use to decrease the volume
(control range from VOL 0 to VOL 50)
❻ BASS/TREBLE buttons
❼ POWER button
❽ Power STANDBY indicator
❾ Headphones jack (PHONES) (3.5 mm dia. stereo mini)
Connect headphones (impedance 16Ω to 1kΩ) to this jack. The speakers are automatically switched off when the headphones are connected.

Tuner/Deck section





❶ STEREO AUTO/MONO button
❷ TUNER/BAND button
Press to select tuner mode.
Press to select the band (FM/AM (MW/LW)).
❸ PRESET TUNING button
❹ Display window
① Band indicator (FM/AM (MW/LW))
② Radio frequency display
③ MONO indicator
④ STEREO indicator
⑤ Preset station display
⑥ Tape (TAPE) mode display
⑦ DOLBY NR indicator (DOLBY NR)
⑧ Reverse mode indicator (⇄ / ⇄ / ⟲)
⑨ Recording indicator (REC)
⑩ Tape direction indicator (◄, ►)
❺ TUNING button (UP/DOWN)
❻ Cassette holder
❼ EJECT button
❽ Cassette operation buttons
◄◄ : Press to fast wind the tape from right to left/Music scan.
◁ : Press to play back the tape in the reverse direction.
■ : Press to stop the tape. This also sets TAPE mode.
▷ : Press to play back the tape in the forward direction.
►► : Press to fast wind the tape from left to right/Music scan.
SYNCHRO REC : Press to start synchro recording.
●/❚❚ : Press to set the unit to the record or record-pause mode.
❾ REVERSE MODE switch
⇄ : For single-side recording or playback
⇄ : For both-sides recording or playback
⟲ : For continuous play
❿ DOLBY NR button
Set to ON when recording or playing back tapes using the noise reduction system.

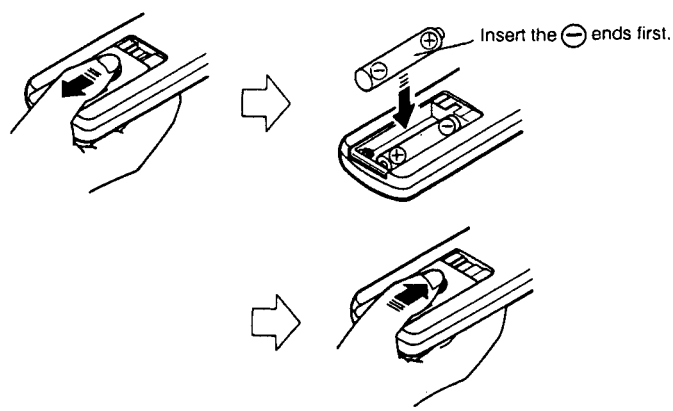
REMOTE CONTROL UNIT

Preparation before use

- **Installing batteries in the remote control unit**

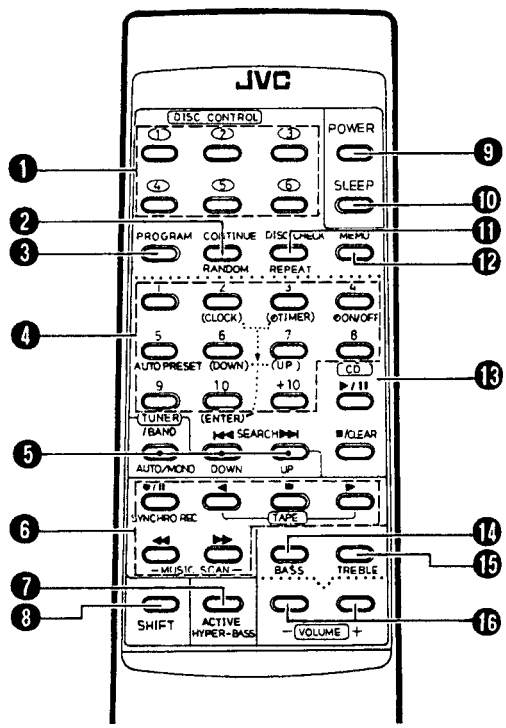
1. Remove the battery cover from the back of the remote control unit.
2. Insert two "AA" size batteries.
   - Insert the batteries with the ⊕ and ⊖ terminals matching the indication inside the battery compartment.
3. Replace the cover.

- **Battery replacement**
When the remote control operation becomes unstable or the distance from which remote control is possible becomes shorter, replace the batteries with new ones.



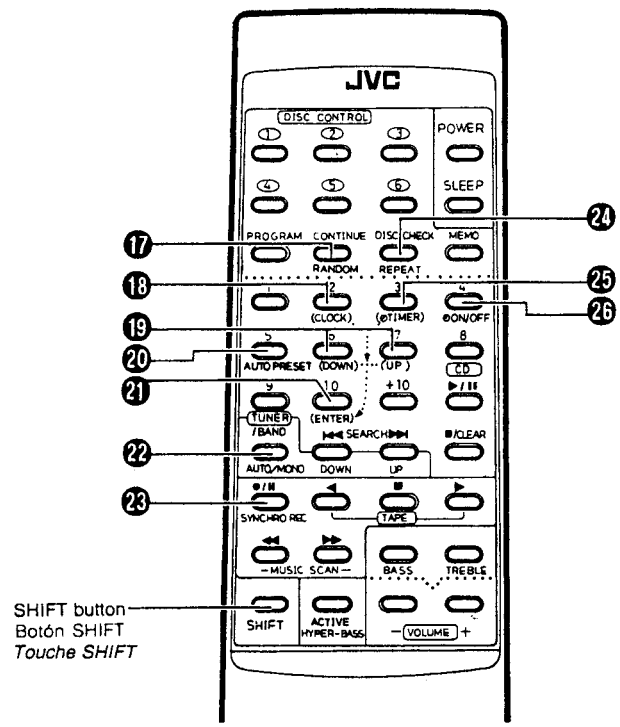
Using the remote control unit

To use the remote control unit, point it at the REMOTE SENSOR and press the buttons gently and firmly. Remote control operation is possible within about 7 m (approx. 23 ft). However, since the remote control range is less when the unit is used at an angle, use directly in front of the REMOTE SENSOR, as far much possible.
Do not expose the REMOTE SENSOR to strong light (direct sunlight or artificial lighting) and make sure that there are no obstacles between the REMOTE SENSOR and the remote control unit.



The following operations can be performed using the remote control unit.

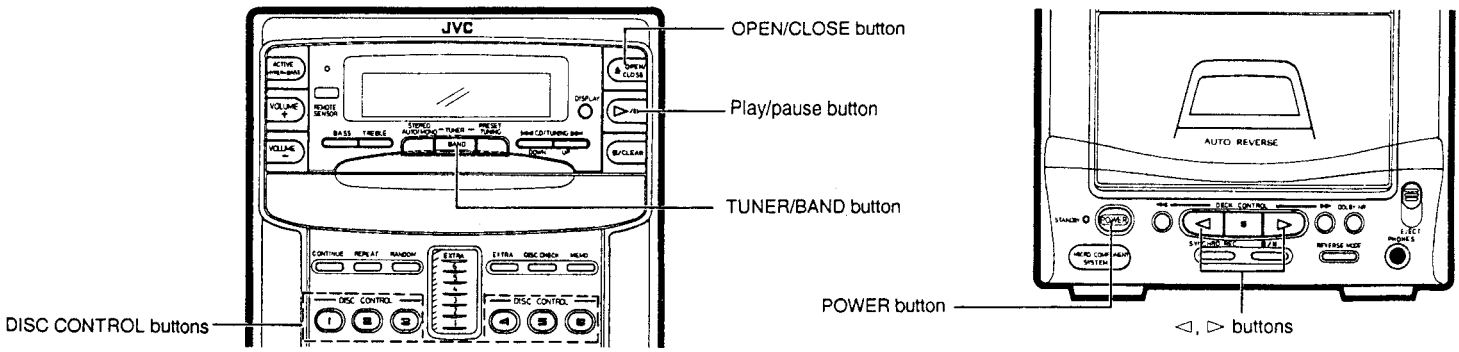
- **Check the functions of the operation buttons carefully and operate them correctly.**



❶ DISC CONTROL buttons (No.1 to No.6)
❷ CONTINUE playback button
❸ PROGRAM button
❹ Track (tune) number buttons (No.1 to No.10, +10)
Preset station buttons (No.1 to No.10, +10)
❺ TUNER/BAND button
UP and DOWN buttons
❻ Cassette operation buttons
●/❚❚ : Record/Record-pause button
◄ : Play button (reverse direction of tape)
■ : Stop button
► : Play button (forward direction of tape)
◄◄ : Fast wind (from right to left)/Music scan button
►► : Fast wind (from left to right)/Music scan button
❼ ACTIVE HYPER-BASS button
❽ SHIFT button
❾ POWER button
❿ SLEEP button
⓫ DISC CHECK button
⓬ MEMO button
⓭ CD operation buttons
CD ►/❚❚ : CD mode/play/pause button
■/CLEAR : stop/clear button
SEARCH (|◄◄, ►►|) : to scan to the beginning of a tune and to start forward or reverse search.
⓮ BASS button
⓯ TREBLE button
⓰ VOLUME buttons (+,–)

Press the following buttons while holding down the SHIFT button ❽.
⓱ RANDOM button
⓲ CLOCK button
⓳ UP•DOWN buttons
⓴ AUTO PRESET button
㉑ ENTER button
㉒ AUTO/MONO button
㉓ SYNCHRO REC button
㉔ REPEAT button
㉕ (◴ TIMER) button
㉖ TIMER (◴) ON/OFF button

SWITCHING THE POWER ON/OFF



Switching the power on/off

- Switching on:

STANDBY POWER — The indicator goes out. — • The indicator in the display window lights.

- Switching off:

STANDBY POWER — The indicator lights. — • The indicator in the display window goes out and only the clock is indicated.

COMPU PLAY

Even when the power is set to STANDBY, pressing the button shown below switches on the power and selects the source.

When the CD tray OPEN/CLOSE button (⏏) is pressed, the source sound does not switched over, the CD tray can open or close.

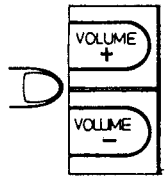
Notes:

1. When switching off the power, be sure to press the power button.
2. The COMPU PLAY button on the remote control has the same function as the UX-C7.
3. When the CD tray opens and the Play/pause (▷/ ❚❚) button is pressed, the CD tray closes and the CD play starts.

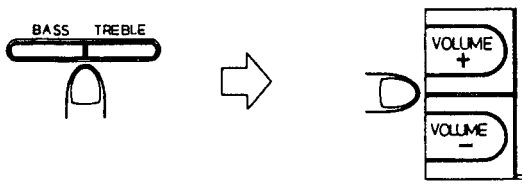
	Function mode	Operations
▷/❚❚ DISC CONTROL 1 2 3 — DISC CONTROL 4 5 6	CD	When this button is pressed with a CD loaded, CD playback begins.
◁ or ▷	TAPE	When this button is pressed with a tape loaded, tape playback begins.
TUNER BAND	TUNER	When this button is pressed, the tuner is engaged

VOLUME, TONE AND OTHER CONTROLS

VOLUME button
+ : Use to increase the volume.
– : Use to decrease the volume.
(control range from VOL 0 to VOL 50)

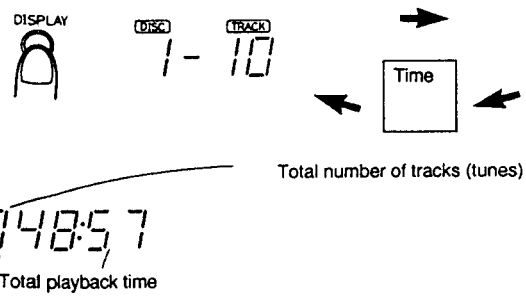


BASS/TREBLE button
To set the bass or treble level, press the corresponding button and adjust it using the VOLUME buttons. The level setting ranges are from -6 to 6.

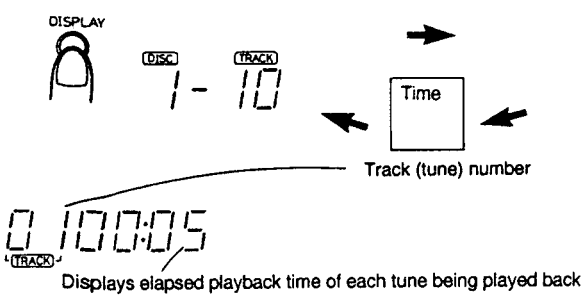


ACTIVE HYPER-BASS button
ON : The ACTIVE HYPER-BASS indicator lights. Set to this position when listening to ACTIVE HYPER-BASS sound.
OFF : The ACTIVE HYPER-BASS indicator goes out. Set to this position when ACTIVE HYPER-BASS sound is not required.

DISPLAY button
Use this button to switch between the function and time display.
- When using the tuner, press this button to display the tuned frequency and the time.
- When using a tape, press this button to show "TAPE" and the time.
- When using CD mode,
  1. The display shows the following when CDs are not rotated with this button pressed:



  2. The display shows the following when the CDs are played with this button pressed:

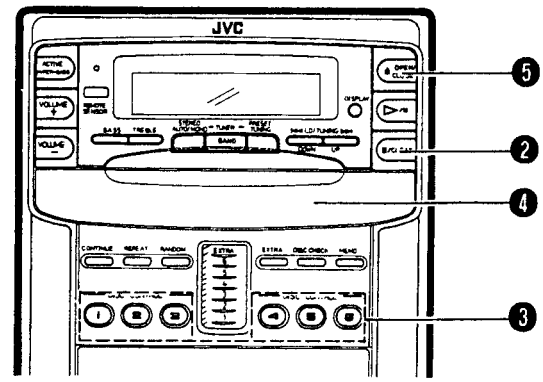


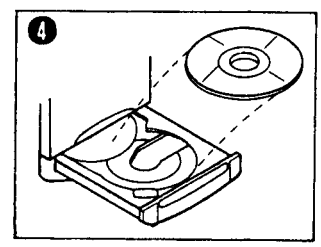
PLAYING COMPACT DISCS

- When this unit is used for the first time (or not used for an extended of period of time with an AC power cord disconnected) and the POWER switch is turned ON, CD changer mode is engaged. Disc check operation starts automatically to check if a disc is in the disc holder. ("CHECK" is shown in the display.)
- This unit can be used in two different modes.
  1) In CD changer mode, it is possible to load up to six 12-cm (5") CDs in the disc holder. Various kinds of CD play can be performed.
  2) In EXTRA mode, when 6 CDs are loaded in the disc changer section, a CD can be played without using the changer section.
- 8 cm (3-3/16") CDs
  1) 8 cm (3-3/16") CDs can be used in this unit. (Do not use a CD adapter, as it may cause a malfunction.)
  2) When an 8 cm CD is loaded, the CD changer cannot be operated. When the DISC CONTROL button is pressed, the CD tray opens for disc unloading and "PLEASE TAKE" is displayed.

CD changer operation

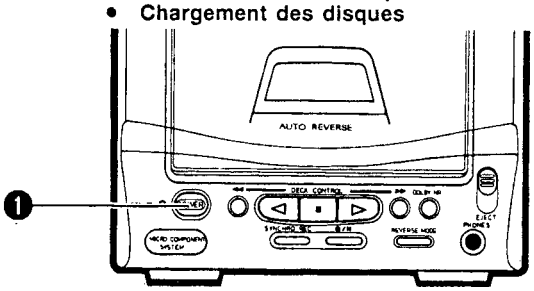
Operate in the order shown
- **Loading Discs**





Procéder dans l'ordre indiqué

- **Chargement des disques**



❶ Set the POWER button to ON.
❷ Press the ■/CLEAR button to set CD mode.
❸ Press the required DISC CONTROL button (No. 1 to No. 6) and the CD tray opens.
❹ Load a disc with the label side facing up.
❺ Press the ≜ OPEN/CLOSE button to close the CD tray. (The mark which shows that the disc is loaded is shown in the display.)
- Repeat procedures ❸ to ❺ to load the other discs.

Notes:

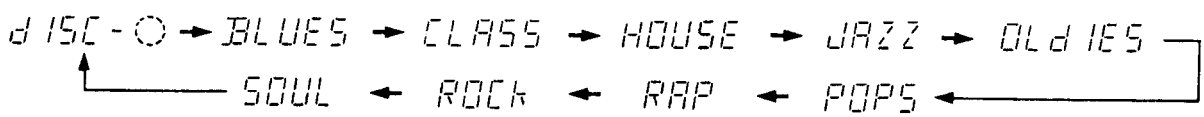
- When loading discs, be sure to place them correctly on the tray to prevent a malfunction.
- When an "Error" is displayed, press the ≜ OPEN/CLOSE button to erase the error message and perform the operation again.

- **Unloading Discs**

❶ Press the required DISC CONTROL button of the disc to be unloaded.
❷ Press the ≜ OPEN/CLOSE button to open the CD tray and unload the disc.
- Repeat procedures ❶ and ❷ to unload the other discs.

Memorandum (MEMO) button

Memorandum (MEMO) button
The type of music on the loaded CDs (in the CD changer) can be stored using this button. Each time the MEMO button is pressed, the display changes as follows:



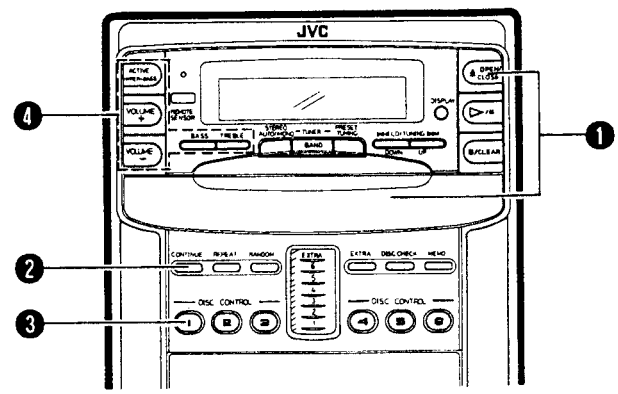
❶ Press the DISC CONTROL button (No. 1 to No. 6) corresponding to the specified disc.
❷ After CD play starts, select the correct type of music.
❸ Press the MEMO button to select the type of music corresponding to the disc music.
- After a short period, when the display changes, setting is completed.
- Repeat procedures ❶ to ❸ to specify the other discs.

DISC CHECK button
Check the type of music on the loaded CDs (in the CD changer) using this button. When the DISC CHECK button is pressed, the type of music is shown in sequence.

Continuous play

How to play all tracks
Operate in the order shown

❶ Load the required disc into the disc holder of the CD changer. (See page 19.)
❷ Press the CONTINUE button to set continuous playback mode.
❸ Press the No. 1 DISC CONTROL button to start playback.
❹ Adjust.
- CD play starts from disc No.1 and continues till the last tune of the last disc in the disc holder.



To stop play

- **To stop in the middle of a disc**
  During playback, press the ■/CLEAR button to stop play.

- **To stop a disc temporarily**
  Press the ▷/II button to stop play temporarily and the playing time blinks. When pressed again, play resumes from the point where it was paused.

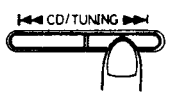
Notes:
- The following indication may be shown when a disc is dirty or scratched, or when the disc is loaded upside down.
  In such a case, check the disc and insert again after cleaning the disc or turning it over.

- **Do not use the unit at excessive high or cold temperatures. The recommended temperature range is from 5°C (41°F) to 35°C (95°F).**
- If mistracking occurs during play, lower the volume.

Skip playback

- During playback, it is possible to skip forward to the beginning of the next tune or back to the beginning of the tune being played or the previous tune; when the beginning of the required tune has been located, play starts automatically.

To listen to the next tune ...
Press the ▶▶| button once to skip to the beginning of the next tune.



* When disc select and skip operations are performed in sequence, the required track from a required disc can be selected.

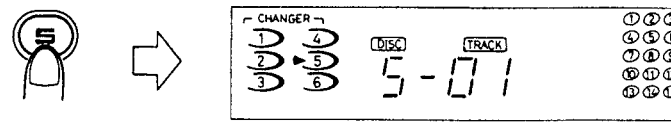
Search playback (to locate the required position on the disc)

- The required position can be located using fast-forward or reverse search while playing a disc.

DISC CONTROL button

Direct Disc Selection
- **Direct Disc Selection**
  Press the DISC CONTROL button (No.1 to No. 6) corresponding to the No. of the required disc.

Example: (to designate Disc 5)

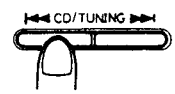


The tracks on the designated disc are played in sequence.

- When the unit is in continuous playback mode, by pressing the CONTINUE button, the next disc will be played after the end of the disc being played.

Note:
- When "PROGRAM" is shown in the display and the direct select operation is performed, the CD cannot be played.

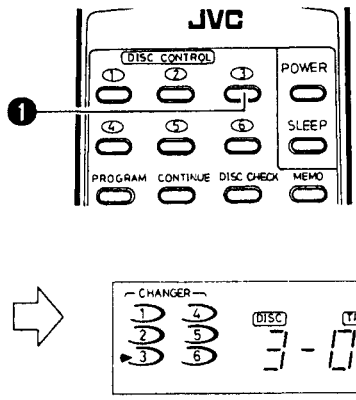
To listen to the previous tune ...
Press the |◀◀ button to skip to the beginning of the tune being played back and press again to skip to the beginning of the previous tune.



- Hold down the button; search play starts slowly and then gradually increases in speed.
- Since low-volume sound (at about one quarter of the normal level) can be heard in the search mode, monitor the sound and release the button when the required position is located.

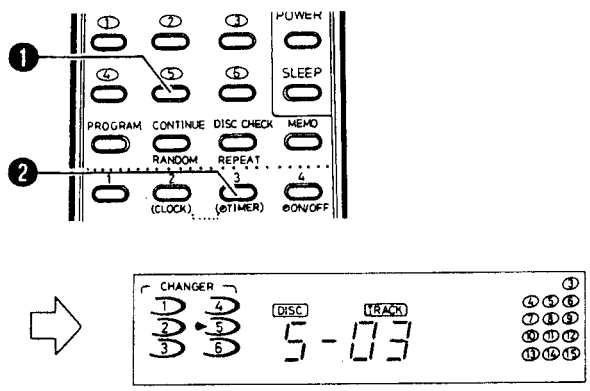
Direct access playback using the remote control

- Example 1 (to designate Disc 3)



❶ Designate the required disc using the DISC CONTROL buttons (No. 1 to No. 6).
- CD play starts.

- Example 2 (to designate the 3rd tune of Disc 5)



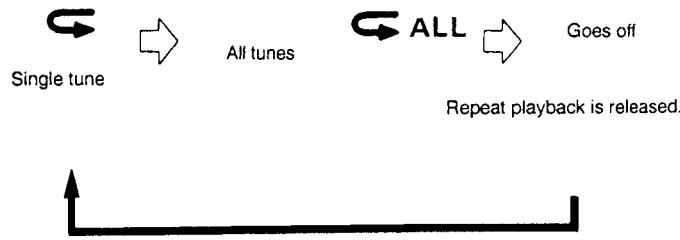
❶ Designate the required disc using the DISC CONTROL buttons (No.1 to No. 6).
❷ The music calender of the required disc is displayed and the required tune is selected using the TRACK button.
- CD play starts.

- To designate tune numbers 1 to 10, press the track number button corresponding to the track (tune) number.
- To designate tune numbers 11 or higher, press the +10 button the required number of times, then the track number button. (Example; To designate the 20th tune, press the +10 button once, then press track number button 10.)

* +10 button:
Each time this button is pressed, the number increases by 10. First press this button to set the 10 digits, then press the track number button to set the 1 digits.

Repeat playback

Press the REPEAT button before or during play. It is possible to perform repeat playback of a single tune, all tunes on one disc, or all tunes on all discs in the disc changer.
Each time the REPEAT button is pressed, the mode will change from a single tune (⊆), to all tunes (⊆ ALL), to clear mode, in this order.



- **Single tune repeat (⊆)**
The current or specified tune will be played repeatedly.

- **All tune repeat of one disc (⊆ ALL)**
All tunes on the current or specified CD will be played repeatedly.

- **All tune repeat of all discs (⊆ ALL. CONTINUE)**
When the CONTINUE button is pressed during " ⊆ ALL" mode, CD play starts from the current or specified tune and all tunes on all discs will be played repeatedly.

Random playback

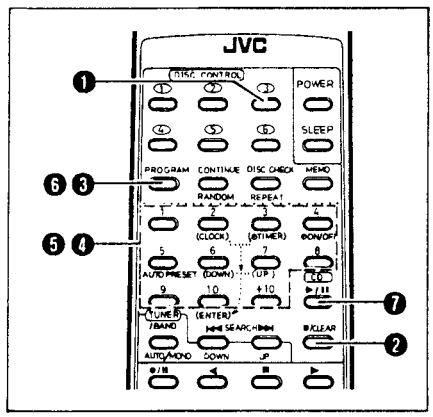
Press the RANDOM button before or during play. It is possible to perform random playback from one disc or all discs.

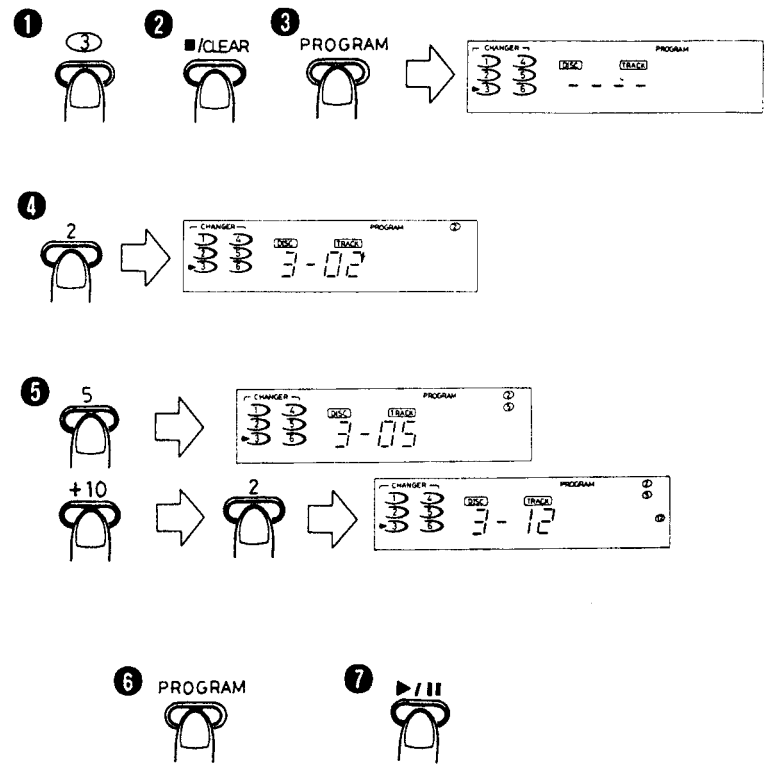
- **One disc random (RANDOM)**
Press the RANDOM button to randomly plays all tracks on the current or specified disc once, except in continuous mode.
- **All disc random (ALL DISC, RANDOM)**
Press the RANDOM button in continuous play mode to randomly selects and plays tracks from all of the discs in the CD changer.

Programmed playback (using the remote control)

- Up to 20 tunes can be programmed to be played in any required order from one disc or all discs in the holder.
- Example 1 (When programming from the 3rd disc, the 2nd tune to be played first, and the 5th tune next, then the 12th tune.)

Example 1

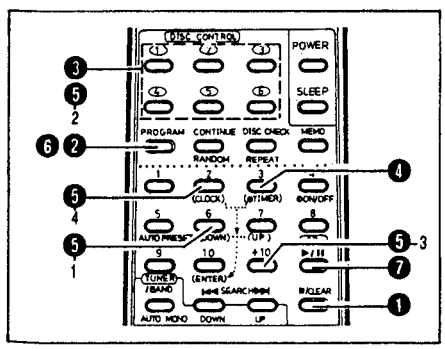




❶ Press the No.3 DISC CONTROL button.
❷ Press the ■/CLEAR button.
❸ Press the PROGRAM button to set programming mode.
❹ Press to designate the required track number.
❺ Designate the remaining tunes by pressing the track number buttons.
❻ Press the PROGRAM button to confirm the details of the program.
- Repeat from step ❷ to readjust the program.
- Repeat from step ❹ to add to the program.

❼ Press the ►/II button when programming is completed. Programmed playback starts.

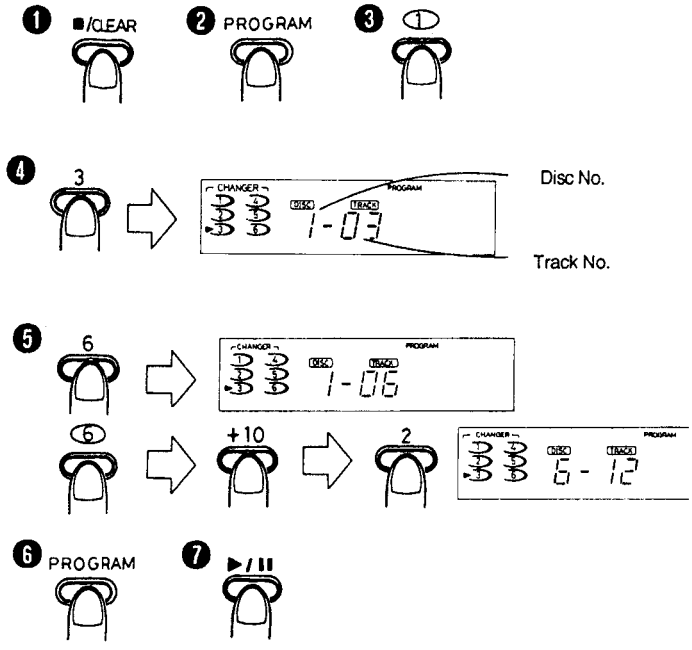
- Example 2 (With programming from more than 2 discs, the 3rd tune of disc 1 is to be played first, and the 6th tune of disc 1 next, then the 12th tune of disc 6.)



❶ Press the ■/CLEAR button.
❷ Press the PROGRAM button to set programming mode.
❸ Designate the required disc using the DISC CONTROL buttons (No. 1 to No. 6).
❹ Designate the required tune using the track buttons (No. 1 to No. 10, +10).
❺ Repeat procedures ❸ and ❹ to designate the other tunes.
❻ Press the PROGRAM button to confirm the details of the program.
- Repeat from step ❶ to readjust the program.
- Repeat from step ❸ to add to the program.

❼ Press the ►/II button when programming is completed.

Example 2 Ejemplo 2 Exemple 2



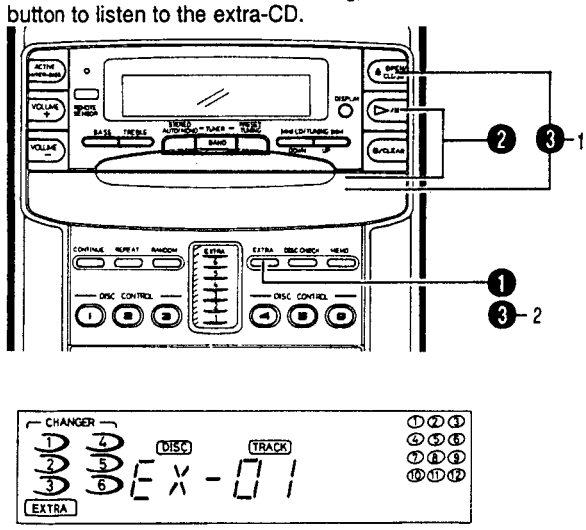
To confirm the details of a program...
Press the PROGRAM button in stop mode: the tunes making up the program will be displayed in programmed order.

To clear the programmed tunes ...
Press the ■/CLEAR button before playing the disc. During programmed playback, press this button twice. When the CD tray is opened, the programmed tunes are cleared automatically.

Notes:
1. Programming 21 or more tunes is impossible.
2. When a disc with 16 or more tunes is loaded, the "OVER" indicator will appear.
3. When performing timer playback in the order of "Programmed play", do not press the ▶/II button in the above procedure.

EXTRA-CD operations

When 6 discs are loaded in the CD changer of this unit, use this button to listen to the extra-CD.



❶ Press the EXTRA button during CD mode and the CD tray opens.
❷ Load a disc and press the ▷/II button.
❸ Unload the disc after CD play has finished, by pressing the ▲ OPEN/CLOSE button. Then, press the EXTRA button to switch back to CD changer mode.

Notes:
- When the EXTRA-CD is loaded, the CD changer cannot be used. When the DISC CONTROL button is pressed, the CD tray opens and the display shows "PLEASE TAKE", so unload the disc.
- When an EXTRA-CD is loaded and the MEMO button is pressed, "Ex" is displayed. However, the type of music cannot be stored.

Repeat playback

Press the REPEAT button before or during play. A single tune or all tunes can be repeated.

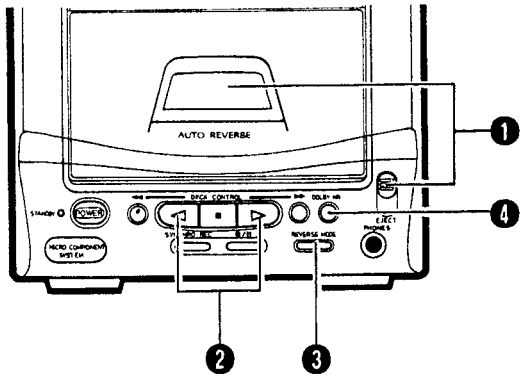
- **Repeat playback of a single tune (⊂)**
  The tune being played back will be heard repeatedly.
- **Repeat playback of all tunes (⊂ ALL)**
  When playing back an entire disc or programmed tunes, all tunes or the programmed tunes will be heard repeatedly.

Random playback
Press the RANDOM button, all tunes on the disc are played once, in random order.

Skip, Search and Programmed playback
Refer to the CD changer section for these operations.

CASSETTE PLAYBACK

Operate in the order shown



1. Load a cassette tape with side A facing out.
2. Press to start playback. (The power is switched on and the TAPE mode is engaged to start the tape playback.
3. Select the reverse mode (⇄ / ⇄ / ⇄).
4. Set the DOLBY NR switch as required.

- After loading a cassette tape, simply press the ◁ or ▷ button. The power is switched on and the tape starts playback.
- When the tape is played back with the reverse mode set to the ⇄ (single side play) or ⇄ (both side play) mode, the tape stops automatically at the end of tape after playing one side or both sides.

Notes:
- When switching to tape playback while playing a CD, tape sound will be heard after a few seconds.
- If the power is switched off while a tape is running, it may be impossible to remove the cassette. If this happens, switch the power on again before attempting to remove the cassette.

Music scan

- The beginning of the current tune or the next tune can be located using the music scan facility.

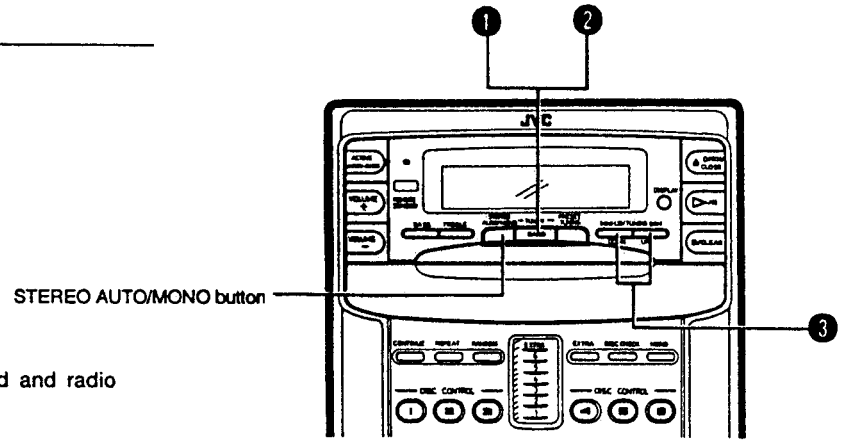
① Press the ▷ or ◁ button for tape playback.
② Press the ►► or ◄◄ button for music scan.
③ When music scanning is completed, playback will start automatically.
- To skip two tunes or more, repeat the above steps ② and ③.

	• To the start of the next tune	• To the start of the tune being played back
(Forward (▷) direction playback)	►►	◄◄
(Reverse (◁ direction playback)	◄◄	►►

Notes:
With the following types of tape, the Music Scan mechanism may not operate correctly. This is not a malfunction; use the Music Scan facility only with suitable tapes.
- Tapes with tunes having long pianissimo passages (very quiet parts) or non-recorded portion during tunes.
- Tapes with short non-recorded sections.
- Tapes with high-level noise or hum between tunes.

RADIO RECEPTION

Operate in the order shown



1. Press the TUNER/BAND button.
   - The power is switched on and a band and radio frequency will be shown in the display.
2. Select the band (FM or AM (MW/LW)).
3. Tune to the required station.

STEREO AUTO/MONO button

AUTO:
Set to this position when listening to or recording an FM stereo broadcast. The STEREO indicator lights when the FM stereo broadcast is received.

MONO:
Set to this position when FM stereo reception is noisy.

- **Seek tuning**
  Press the UP or DOWN button for one second or more; the unit enters the seek tuning mode and tunes to higher or lower frequencies, and when the broadcast is received, it stops tuning automatically and the broadcast can be heard.
  In AM operation, the frequency moves continuously from the MW to the LW band and vice versa.

- **Manual tuning**
  Each time the UP or DOWN button is pressed, the unit steps through the current frequency band. Tuning is in steps of 50 kHz for FM and 9 kHz for AM (MW/LW).
  In AM operation, the frequency moves continuously from the MW (522 - 1,629 kHz) to the LW (144 - 288 kHz) band and vice versa.

Notes:
- When switching to tuner mode while playing a CD, tuner sound will be heard after a few seconds.
- When seek tuning to the required station is not possible because it is broadcasting too weak a signal, press the UP or DOWN button momentarily to perform manual tuning.
- When the power is set to STANDBY, or another mode (TAPE or CD) is selected, the last tuned frequency is stored in memory. When the power is switched on again and TUNER/BAND button is pressed, the same station will be heard.

Auto preset tuning (using the remote control unit)

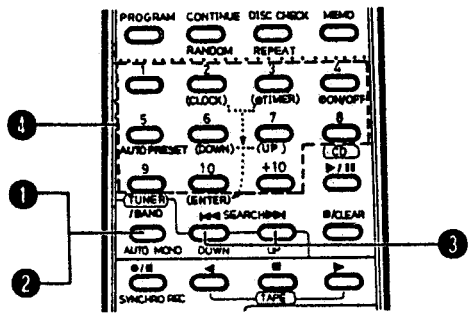
This function scans the current band (FM or AM (MW/LW)), detecting frequencies used to broadcast signals, and stores the first 15 frequencies in memory automatically.
- Press the AUTO PRESET button while pressing the SHIFT button. The frequencies of stations broadcasting signals can be preset automatically in the order of increasing frequency.(15 stations in each band (FM and AM (MW/LW)).

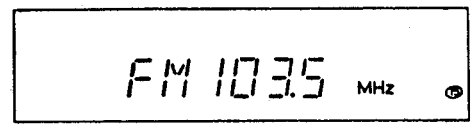
Press to move to lower frequencies — ⏮ CD/TUNING ⏭ (DOWN) (UP) — Press to move to higher frequency

Presetting stations (using the remote control unit)

15 stations in each band (FM and AM (MW/LW)) can be preset as follows:

- Example (when presetting an FM station broadcasting at 103.5 MHz to preset button "15")





❶ Press the TUNER/BAND button.
❷ Select the FM band using the TUNER/BAND button.
❸ Tune to the required station.
❹ Press preset button "+10", then "5" for more than 2 sec. (When "15" blinks in the preset station display, the station has been preset.)

- Repeat the above procedure for each of the other stations, using a different preset button each time..
- Repeat the above procedure for the AM (MW/LW) band.

- **To change preset stations**
  Perform step ❹ above after tuning to the required station.

Preset tuning

- The stations must be preset before this operation can be performed.

(Using the controls of the main unit)

① Press the TUNER/BAND button.
② Select the band (FM or AM (MW/LW)) using the TUNER/BAND button.
③ Press the PRESET TUNING button to select the required preset station.

(using the remote control unit)

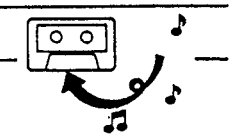
① Press the TUNER/BAND button
② Select the band (FM or AM (MW/LW)) using the TUNER/BAND button.
③ Press the required preset station buttons (No.1 – No.10, +10).
- The preset station number and frequency corresponding to the button pressed are shown.

Using the antennas

FM: Connect the provided FM feeder antenna (see page 7).
AM (MW/LW) :
Adjust the position of AM (MW/LW) loop antenna.

Notes:
- The previous preset station is erased when a new station is set as the new station's frequency replaces the previous frequency in memory.
- When listening to an AM (MW/LW) broadcast, noise may be heard if the remote control is used.
- All preset stations will be erased when the power cord is disconnected or a power failure occurs for more than 24 hours. In such cases, preset them again.

RECORDING



- In recording, the ALC circuit automatically optimizes the recording level; adjustment of the recording level is unnecessary.
- Check that the safety tab on the cassette tape is not broken off.

Notes:
This unit has recording characteristics suitable for normal and CrO_2 tapes. Normal and CrO_2 tapes have different characteristics from metal tape.

DOLBY NR SYSTEM

- **Set the DOLBY NR as required. The DOLBY NR indicator lights.**

Note:
The optimum sound quality will not be obtained if different DOLBY NR switch settings are used during recording and playback.

It should be noted that it may be unlawful to re-record pre-recorded tapes, records, or discs without the consent of the owner of copyright in the sound or video recording, broadcast or cable programme and in any literary, dramatic, musical, or artistic work embodied therein.

Erasing

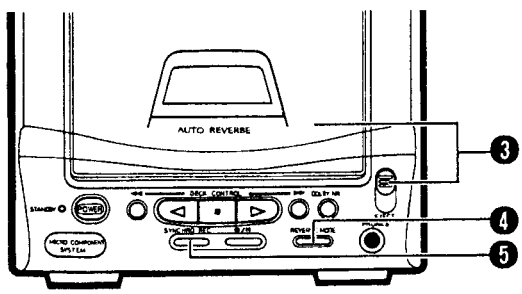
When recording on a pre-recorded tape, the previous recording is automatically erased and only the new material can be heard when the tape is played.
To erase a tape without making a new recording...
Press the ■ (stop) button to set to the TAPE mode, then perform recording.

Synchronized recording with the CD player

- In this system, the CD player starts playback when the cassette deck enters the recording mode.

Operate in the order shown

(Recording from the CD changer)



❶ Press the DISC CONTROL button corresponding to the disc to be recorded.
❷ Press the ■/CLEAR button to set stop mode.
❸ Load a cassette with side A facing out. (Wind past the leader tape before starting recording.)
- When programmed playback is required, program the required tunes using the remote control. (See page 26.)
- Select tunes with a total playing time which does not exceed the tape length.

❹ Select the required reverse mode (⇄ or ⇄)
❺ Press the SYNCHRO REC button; synchronized recording will start.

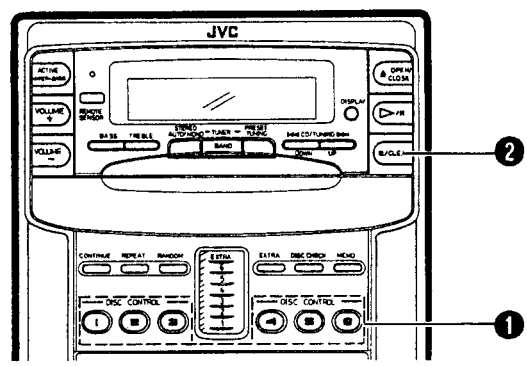
- Recording starts in the forward direction and CD play starts automatically.

- When the CD player has played the disc or programmed tunes, the deck stops automatically.
- Non-recorded sections of approx. 4 seconds are automatically left between tunes.

CD complete recording function (Synchro recording mode only)
If the tape is reversed while a CD is being played, recording will be done on the reverse side of the tape as follows:
* When less than 12 seconds of the last tune on the forward side of the tape have been recorded, recording on the other side of the tape will start from the beginning of the previous tune.
* When more than 12 seconds of the last tune on the forward side of the tape have been recorded, recording on the other side of the tape will start from the beginning of the current tune.

To record an entire disc in the tune order of the CD
After the operations in steps ❶ - ❸ above, press the ▷/II button of the CD player after the ●/II and ▷ buttons have been pressed.

Note:
- During synchro recording, the PAUSE and SEARCH buttons do not function.



- To stop recording, press the ■/CLEAR button of the CD player. (If the ■ (stop) button of the cassette deck is pressed, the program will be cleared during programmed playback.)

(Recording from the EXTRA-CD)
Load the EXTRA-CD and press the ■/CLEAR button to set stop mode, and press the SYNCHRO REC button.

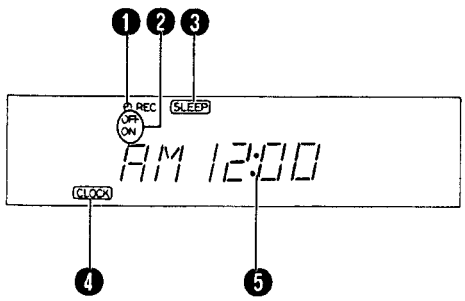
When automatic spacing between tunes is not required ...
Perform the following.
1. Press the ▷/II button of the CD player twice. The CD Player enters the pause mode.
2. Press the SYNCHRO REC button to start recording.

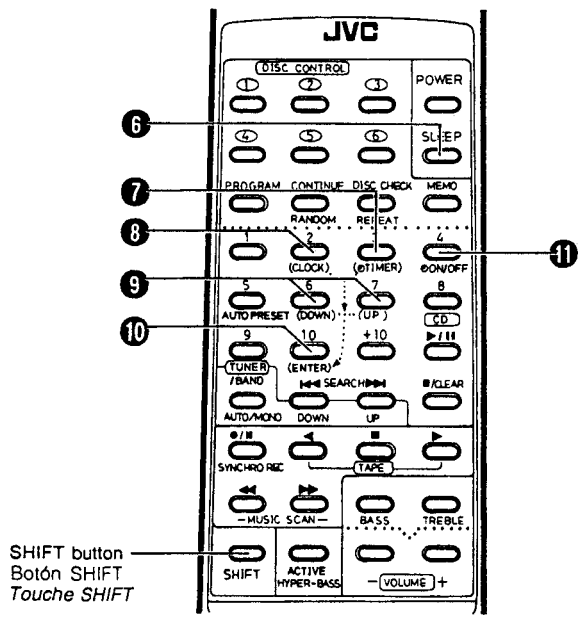
Notes:
- Depending on the disc used, blanks of a specified length may be left between tunes.
- When synchro recording is performed using more than two discs, non-recorded sections of approx. 4 seconds are automatically left on the tape when changing the disc.

CLOCK/TIMER ADJUSTMENT

(Using the remote control)

Names of parts in the clock/time section, and their functions:





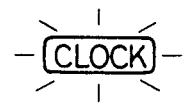
❶ Timer mode indicator
❷ Timer indicator (ON/OFF)
❸ SLEEP indicator
❹ CLOCK indicator
❺ Time display
❻ SLEEP button

Press the following buttons while holding down the SHIFT button.
❼ TIMER (⏲) button
❽ CLOCK button
❾ DOWN/UP button
❿ ENTER button
⓫ Timer (⏲) ON/OFF button

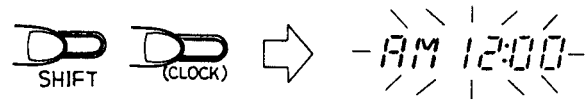
Setting the current time (when the UX-C7 is used for the first time)

(Example: to set the clock to PM 1:15.)

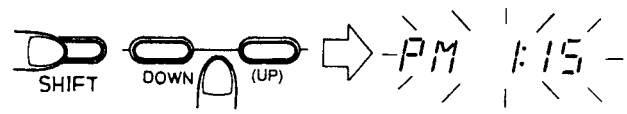
①



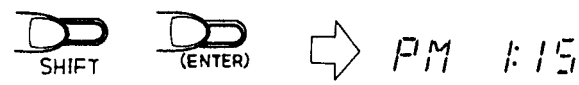
②



③



④



① Connect the AC power cord; "CLOCK" will blink in the display.
② Press the CLOCK button while pressing the SHIFT button; "AM 12:00" will blink in the display.
③ Set to PM 1:15 by pressing the UP/DOWN buttons while pressing the SHIFT button. (When the buttons are kept pressed, the minute/hour indication changes continuously.)
④ Press the ENTER button while pressing the SHIFT button; the time will light in the display.

- Each time the hour's digits change from 11 to 12, the display alternates between AM and PM. (12 midnight is indicted as "AM 12:00" and 12 noon is indicated as "PM 12:00".)

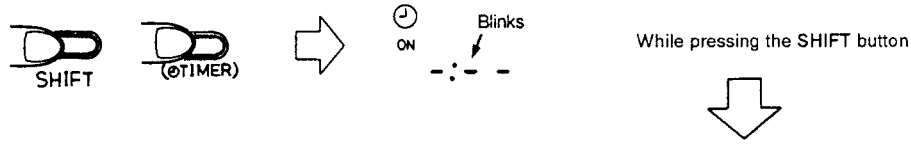
- To set to the nearest second...
  Press the ENTER button while pressing the SHIFT button when you hear the time signal from a TV or radio.

Notes:
- Before performing timer recording or playback, it is necessary to set the current time.
- It is recommended to set the current time with the power switch set to STANDBY so that the current display mode is maintained.
- When the power cord is plugged in again after being disconnected or power is restored after a power failure, "CLOCK" will blink in the display. Set the current time again.

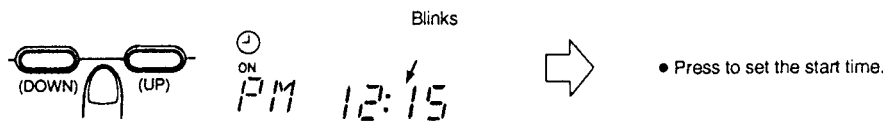
Setting the timer

- The current time must be set before the timer can be used.

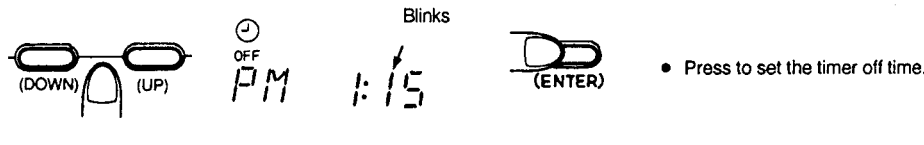
❶ Press the TIMER (⏲) button while pressing the SHIFT button.



❷ Set the start time
(Example: when the timer start time is set to PM 12:15.)



❸ Set the stop time
(Example: when the timer stop time is set to PM 1:15.)



While pressing the SHIFT button

❹ Select the TIMER mode.

When the UP button is pressed to select the timer mode, the mode changes from the TUNER (timer reception of a broadcast) to TUNER/REC (timer recording of a broadcast), CD (timer playback of a CD), TAPE (timer playback of a tape), in this order.

- The unit enter the previously engaged mode and timer setting is complete.

- **To check the timer setting**

1. Press the (⏲) TIMER button while pressing the SHIFT button.
2. Press the ENTER button while pressing the SHIFT button to check the timer mode.
3. When the previous engaged mode is displayed, timer setting has been completed.

Notes:

- When the timer is set incorrectly or the correct mode is not selected, perform "Setting the timer" from the beginning.
- When the timer is set, "-:--" in the display is replaced by the input digits.
- When the timer stop time is not set, the timer operates for 2 hours and then the unit is switched off.

TIMER OPERATIONS

Timer recording of broadcast

- The current time must be set correctly before you set timer recording.
- Make sure that the erase protection tabs of the cassette have not been broken off.

Operations

1. Set the POWER button to ON.
2. Load a cassette.
   - Insert the cassette with the side to be recorded facing out.
   - Set the reverse mode button to " ⇄ " or " ⇄ " and set the DOLBY NR button as required.
3. Set the timer start and stop times, set the timer recording mode, in this order. (Refer to "Setting the timer" on page 42.)
   - Set the timer about a minute before the broadcast to be recorded is scheduled to start.
4. Tune to the station to be recorded. (Refer to page 32.)
5. Adjust the volume.
6. Set the POWER button to STANDBY.

- **Timer recording will start at preset start time and the power will be switched off at preset stop time.** (The timer mode is then released.)

- **To cancel timer operation**
  Press the timer (🕘) ON/OFF button while pressing the SHIFT button so that the timer mode display (🕘) goes out.

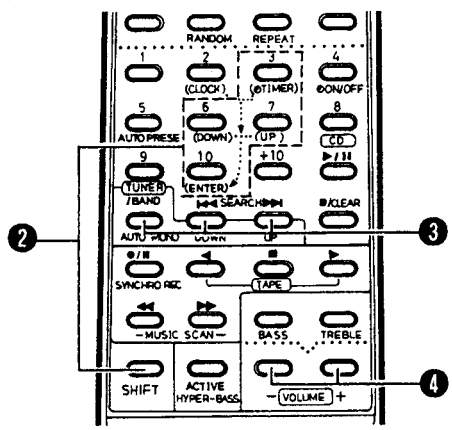
If you do this, timer recording will not start at the timer start time.

Notes:
Once the timer has been set, the start and stop times, etc., are stored in memory. When timer recording or playback is required at different times, the timer must be set again.

Timer playback

- Timer playback of tapes, broadcasts and CDs is possible.

Operations



❶ Set the POWER switch to ON.
❷ Set the timer start and stop times, set the timer playback mode, in this order. (Refer to "Setting the timer" on page 42.)

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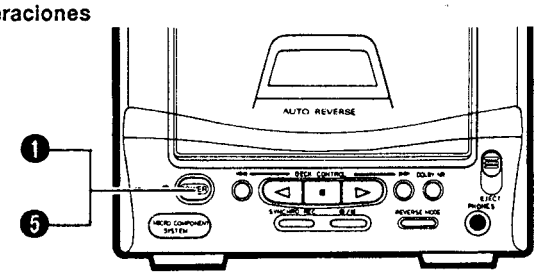


- Timer playback of a CD is possible in programmed order. (See page 26.)

Source sound	Timer mode	Operations
CD play	CD	Load a disc
Tape playback	TAPE	Load cassette tape
Broadcast	TUNER	–

❸ Tune to the required frequency when the timer playback of a broadcast is to be performed.
❹ Adjust the volume.
❺ Switch the power off.

- Timer playback will start at the timer start time and the power will be switched off at the timer stop time.
  The unit remains in the same timer mode even after the power is switched off and the same timer function will be repeated at the same time on the following day.

- **To cancel timer operation**
  Press the timer (🕘) ON/OFF button while pressing the SHIFT button so that the timer mode indicator (🕘) disappears.

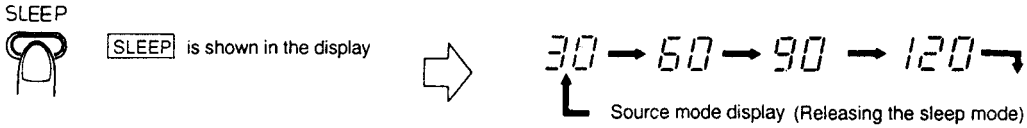
Note:
- To stop during timer playback, press the POWER button to switch the unit off.

SLEEP OPERATIONS

A. Use this when you want to fall asleep while listening to a tape, broadcast or CD.

① Set the required source and tune or play back (CD, tape).

② Press the SLEEP button to set to the sleep time.



- Sleep times of 30, 60, 90 or 120 minutes can be set. When you release the SLEEP button, the source is displayed after 5 sec.

- The sleep operation will start and the power will be switched off after the specified time.

- **Checking the sleep time**
  When the SLEEP button is pressed, the remaining sleep time is displayed. If it is pressed again, a new sleep time can be set.

- **To cancel the sleep operation**
  Press the POWER button to switch the power off or press the SLEEP button until the sleep time indicator disappears.

B. To fall asleep while listening to a tape, a broadcast or CD and to perform timer playback the following morning

1. Set the timer playback start and stop times. (See the "Setting the timer" on page 42.)
2. Set the timer mode. (See "Setting the timer" on page 42.)
3. Set to the required source (broadcast, tape or CD).
4. Adjust the volume.
5. Press the SLEEP button to set the sleep time.

- Any required source can be selected when performing the sleep operation and time playback. For example;
  - CD play for sleep operation and broadcast reception for timer playback.
  - Tape playback for sleep operation and CD play for timer playback.

  However, when broadcast reception is selected for both sleep operation and timer playback, the station you were listening to at night will be tuned to the following morning.